NC/QC/AMG/2022-23

Date: 28-12-2022

To,
The Executive Engineer,
Yelahanka Division,
Bangalore.

"PMC CERTIFICATE AND INSPECTION REPORT"

Dear Sir,

Subject: Regarding Inspection Report for the below mentioned work.

Name of Work:Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PAKAGE NO - 05)

Item No	Description of work	Unit	Qty	Remarks
3	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and	Cum	2211.70	Work done upto the Billed Quantity and the Quality is Satisfactory
4	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers	Cum	675.28	Work done upto the Billed Quantity and the Quality is Satisfactory
5	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary,	Cum	431.64	Work done upto the Billed Quantity and the Quality is Satisfactory
6	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200	tonne	26.44	Work done upto the Billed Quantity and the Quality is Satisfactory
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick made of M25 with OPC cement @ 340kgs per Cum with 20 mm and Down size graded granite metal coarse	Sqm	1194.40	Work done upto the Billed Quantity and the Quality is Satisfactory
8	Providing B S slabs of selected quality roughly dressed havinf a size of 10 cms thick and fixed in cement mortar (1:6) including fixing, curing etc., complete. as directed by the Engineer in	Sqm	255.56	Work done upto the Billed Quantity and the Quality is Satisfactory
9	Providing Machine Cutting edges to B S slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) inclusive of all Taxes complete. as directed by the Engineer in	M	349.50	Work done upto the Billed Quantity and the Quality is Satisfactory

Item No	Description of work	Unit	Qty	Remarks
13	Providing and Fixing pre cast covering Slab 230mm thick made out of CC 1:1.5:3 and jelly 20mm Down size with steel reinforcement including form work,curing,Including cost of alll	Sqm	36.90	Work done upto the Billed Quantity and the Quality is Satisfactory
14	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m	Cum	22.85	Work done upto the Billed Quantity and the Quality is Satisfactory
	Above 125%	Cum	149.57	Work done upto the Billed Quantity and the Quality is Satisfactory
15	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with	Nos	2138.83	Work done upto the Billed Quantity and the Quality is Satisfactory
	Above 125%	Nos	5321.83	Work done upto the Billed Quantity and the Quality is Satisfactory
17	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum	Cum	2032.78	Work done upto the Billed Quantity and the Quality is Satisfactory
18	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding	Cum	819.70	Work done upto the Billed Quantity and the Quality is Satisfactory
20	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on	Cum	471.33	Work done upto the Billed Quantity and the Quality is Satisfactory
21	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including	Sqm	7831.61	Work done upto the Billed Quantity and the Quality
22	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom.	Sqm	6744.99	Work done upto the Billed Quantity and the Quality is Satisfactory
23	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects /	Cum	305.79	Work done upto the Billed Quantity and the Quality is Satisfactory

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Item No	Description of work	Unit	Qty	Remarks
24	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem	Cum	269.80	Work done upto the Billed Quantity and the Quality is Satisfactory
25	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness	Sqm	228.37	Work done upto the Billed Quantity and the Quality is Satisfactory
26	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km	Cum	2830.98	Work done upto the Billed Quantity and the Quality is Satisfactory
27	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation	Cum	661.85	Work done upto the Billed Quantity and the Quality is Satisfactory
30	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved	Sqm	31.40	Work done upto the Billed Quantity and the Quality is Satisfactory

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 2nd and Part bill

Thanking you,

With Regards,

For Newzen Consultant, Bangalore

NEWZEN CONSULTANT Bangalore

NC/QC/AMG/2022-23/P5 /

Date: 28-12-2022

To,
The Executive Engineer,
Yelahanka Division,
Bangalore.

"FREQUENCY AND QUALITY REPORT"

Dear Sir,

Subject: Regarding Quality Report for the below mentioned work.

Name of Work: Improvements to Roads, Drains and Other Developmental Works at Shivamandira Road, Matru Layout, Shaada Nagar Judicial Layout and Surrounding Area in Ward no 02,03,04 of Yelahanka Division under Amruth Nagarothana Grants. (PAKAGE NO -05)

Item No	Description of work	Unit	Qty	No of Samples Tested	Standards
1	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all	Cum	675.28	8	Per 90 cum
2	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works	Cum	431.64	9	Per 50 cum
3	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200	Tn	26.44	4	Per 500 Dia
4	Providing and fixing pre cast solid cement concrete kerb stones made out of M20 with top width 100mm and Bottom width 150mm	Nos	2138.83	5	Per 500 Nos
5	KSRRB M400-17, Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam	Cum	471.33	3	Per 200 cum

Item No	Description of work	Unit	Qty	No of Samples Tested	Standards
6	Dense Graded Bituminous Macadam Grading - II for traffic <20 MSA Providing and laying Dense Graded Bituminous Macadam with	Cum	305.79	6	Per 50 cum
7	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with	Cum	269.80	6	Per 50 cum
8	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture	Sqm	2032.78	4	Per 500 Sqm

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 2nd and Part bill

Thanking you,

With Regards,

For Newzen Consultants Bangalore

NEWZEN CONSULTANTS * Bangalore *